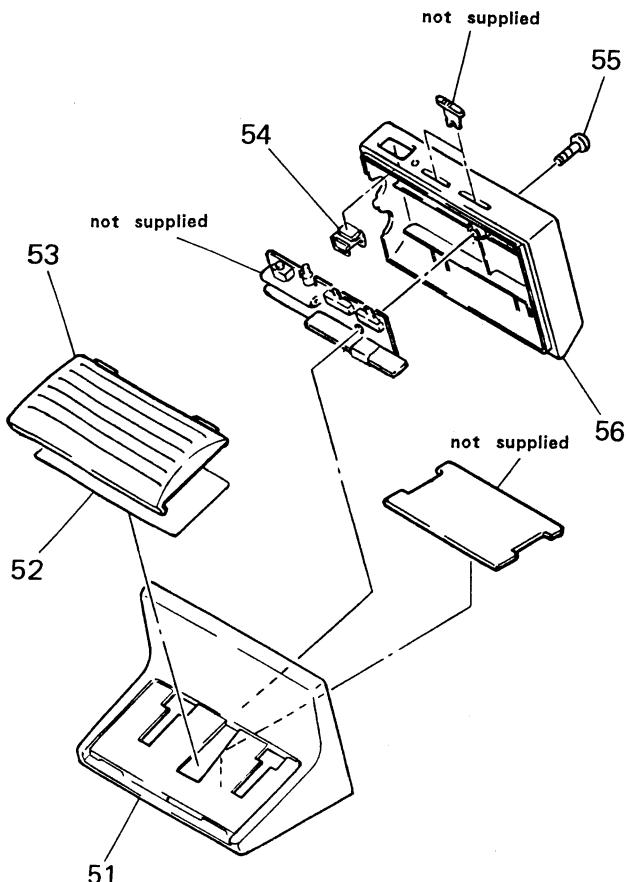


(2) ANTENNA CONTROLLER



4. ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:

MF: μ F, PF: $\mu\mu$ F.

RESISTORS

• All resistors are in ohms.

• F: nonflammable

COILS

• MMH: mH, UH: μ H

SEMICONDUCTORS

In each case, U: μ , for example:
UA...: μ A..., UPA...: μ PA...,UPC...: μ PC, UPD...: μ PD...

Ref. No.	Part No.	Description				
901	1-501-400-11	ANTENNA, TELESCOPIC				
902	1-559-706-11	CORD (WITH PLUG)				
C11	1-163-038-00	CERAMIC CHIP 0.1MF				
C12	1-163-037-11	CERAMIC CHIP 0.022MF	10%	25V		
C13	1-163-038-00	CERAMIC CHIP 0.1MF		25V		
C14	1-163-038-00	CERAMIC CHIP 0.1MF		25V		
D11	8-719-900-23	DIODE GL-2ARI				
IC11	8-759-945-79	IC BU2300A				
J11	1-563-836-21	JACK (ANT.MODULE)				
J12	1-563-836-21	JACK (OUTPUT)				
L11	1-410-336-11	INDUCTOR 220UH				
L12	1-402-414-11	ANTENNA, FERRITE-ROD (LW/MW)				
R11	1-216-025-00	METAL GLAZE 100	5%	1/10W		
R12	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W		
R13	1-216-097-00	METAL GLAZE 100K	5%	1/10W		
R14	1-216-121-00	METAL GLAZE 1M	5%	1/10W		
R15	1-216-206-00	METAL GLAZE 240K	5%	1/10W		
R16	1-216-041-00	METAL GLAZE 470	5%	1/10W		
R17	1-216-023-00	METAL GLAZE 82	5%	1/10W		
R18	1-216-023-00	METAL GLAZE 82	5%	1/10W		
R19	1-216-295-00	METAL GLAZE 0	5%	1/10W		
S11	1-554-088-00	SWITCH, KEY BOARD (POWER)				
S12	1-553-510-00	SWITCH, SLIDE (ATTENUATOR)				
S13	1-553-510-00	SWITCH, SLIDE (BAND)				

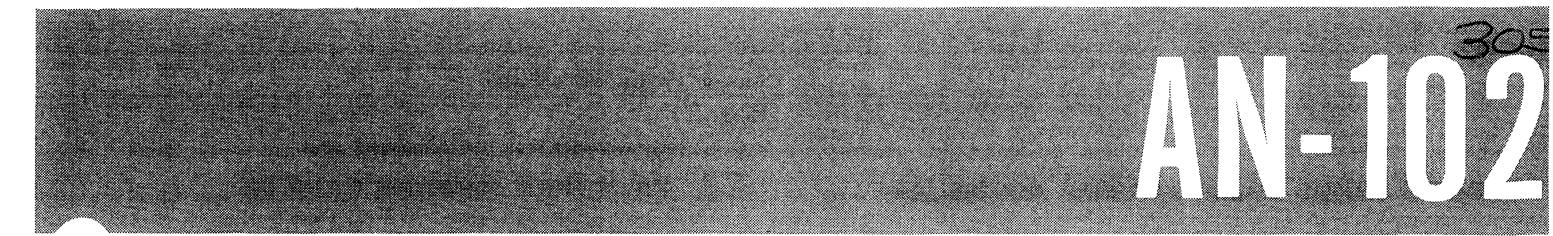
No.	Part No.	Description	Remarks
51	2-134-805-01	CABINET (FRONT)	
52	*2-134-808-01	SHEET, ADHESIVE	
53	2-134-809-01	RUBBER, CUSHION	
54	2-134-803-01	BUTTON, POWER	
55	7-685-648-79	SCREW +BTP 3X12 TYPE2 N-S	
56	2-134-806-01	CABINET (REAR)	

ACCESSORY & PACKING MATERIAL

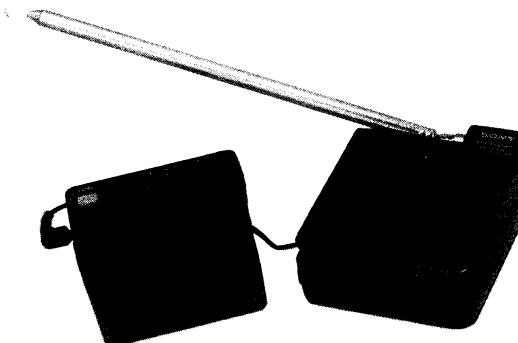
1-555-532-00 CORD, CONNECTION
1-574-502-11 CORD (WITH PLUG)
*2-134-804-01 LABEL (CASE)2-134-807-01 CASE, CARRYING
*2-134-811-01 INDIVIDUAL CARTON
3-786-951-01 MANUAL, INSTRUCTION

Sony Corporation

Audio Group



SERVICE MANUAL



ANTENNA CONTROLLER

ANTENNA MODULE

SPECIFICATIONS

Power requirement	DC 6V Four R6 (size AA) batteries
Timer	Approx. 120 min.
Batteries life	Approx. 180 hours using Sony SUM-3 (NS) batteries
Dimensions	Antenna module Approx. 100×260×36mm (w/h/d) (4×10 $\frac{1}{4}$ ×1 $\frac{3}{16}$ inches)
	Antenna controller Approx. 80×52.5×70mm (w/h/d) (3 $\frac{1}{4}$ ×2 $\frac{1}{8}$ ×2 $\frac{3}{16}$ inches)
Weight	Antenna module Approx. 182g (6.4 oz) Antenna controller Approx. 90g (3.2 oz)
Accessories supplied	Connecting cord (2) Carrying case (1)

COMPACT ACTIVE ANTENNA
SONY[®]

305

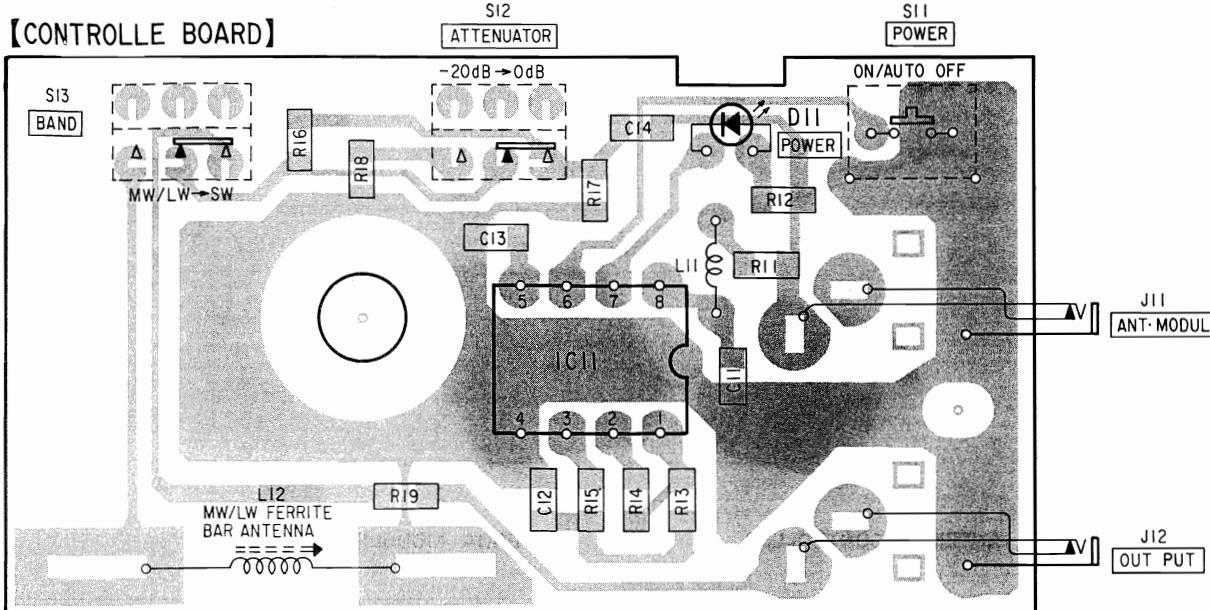
Note on Printed Wiring Board :

Note :

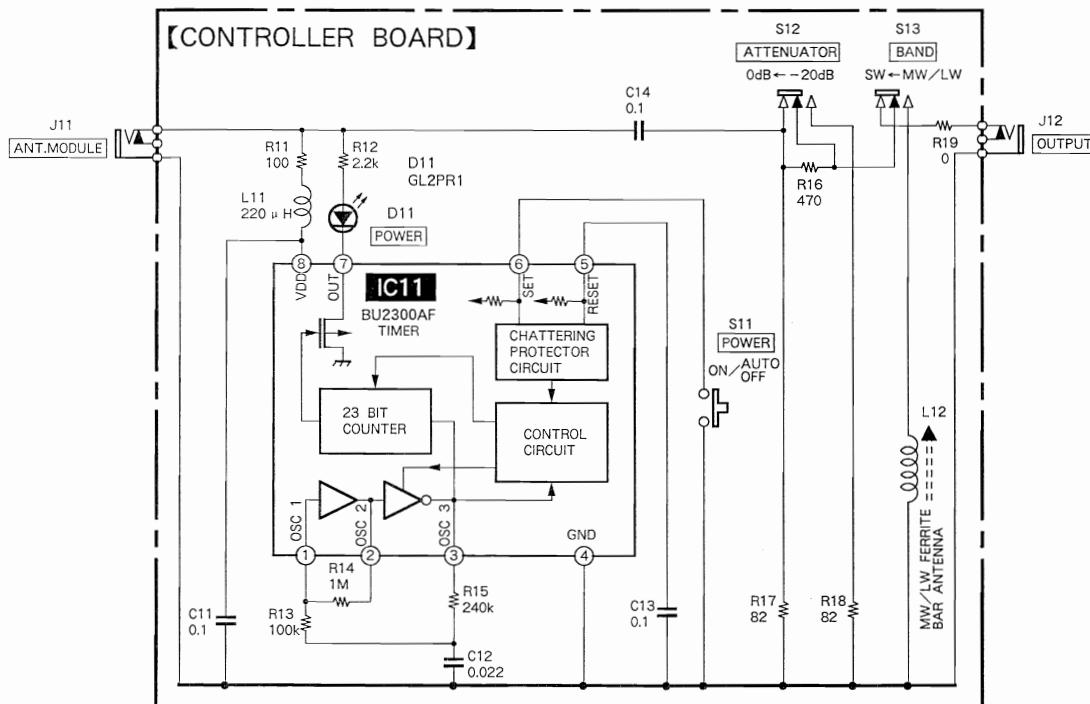
- : parts extracted from the component side.
- : Chip components extracted from the rear side.

1. PRINTED WIRING BOARD (ANTENNA CONTROLLER)

[CONTROLLE BOARD]



2. SCHMATIC DIAGRAM (ANTENNA CONTROLLER)



Note on Schematic Diagram :

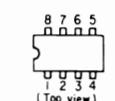
Note :

- All capacitors are in μF unless otherwise noted. μF : $\mu \mu F$ 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $1/4W$ or less unless otherwise specified.
- Switch

Ref. No.	Switch	Position
S11	POWER	OFF
S12	ATTENUATOR	0dB
S13	BAND	SW

SEMICONDUCTOR LEAD LAYOUTS

BU2300A



GL-2AR1



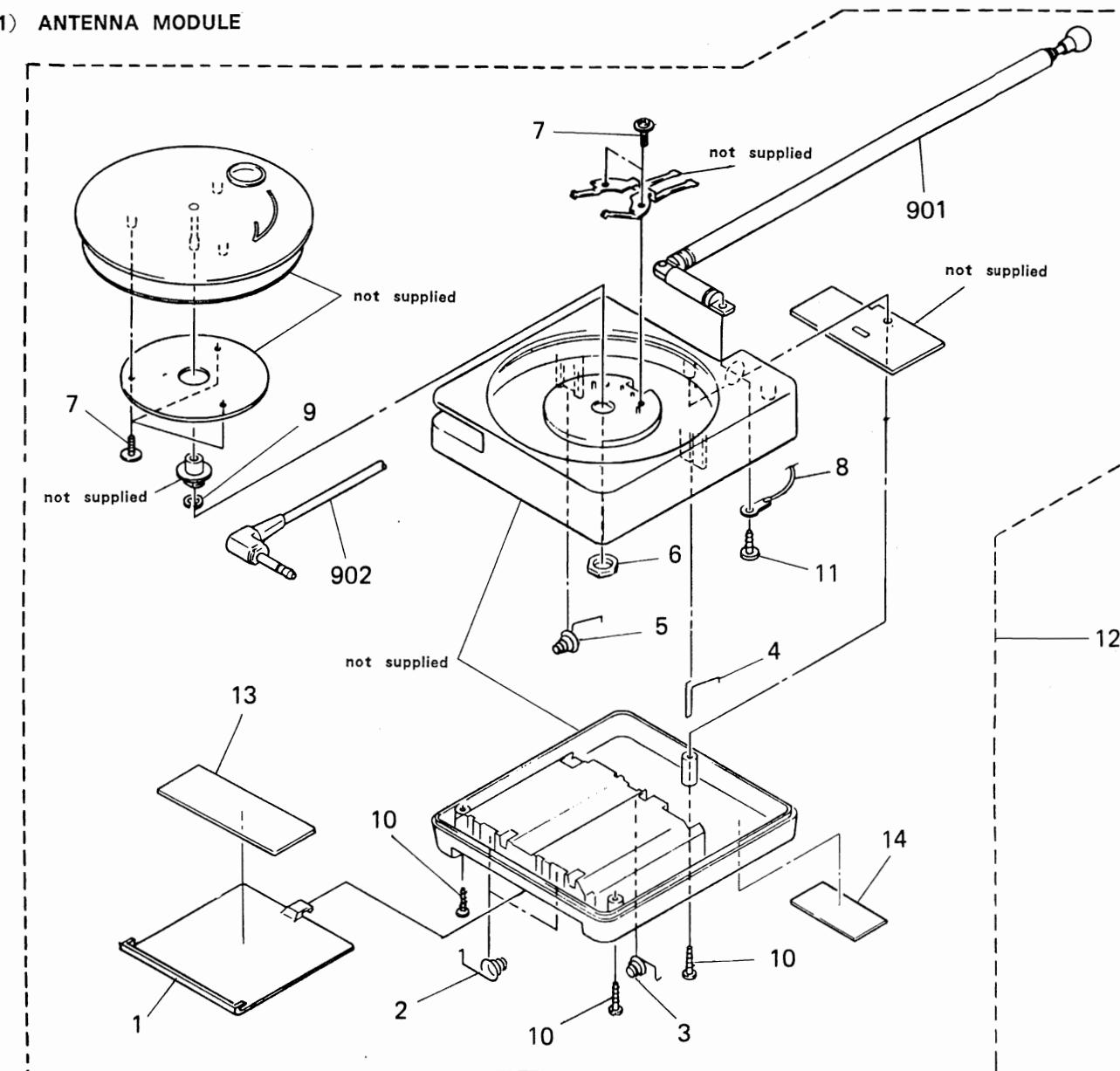
3. EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked “★” are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

(1) ANTENNA MODULE



No.	Part No.	Description	Remarks	No.	Part No.	Description	Remarks
1	3-899-544-01	LID, BATTERY CASE		8	7-623-508-01	LUG, 3	
2	3-894-723-01	SPRING (B)		9	7-624-104-04	STOP RING 2.0, TYPE -E	
3	3-894-717-01	SPRING (A)		10	7-685-105-19	SCREW +P 2X8 TYPE2 SLIT	
4	3-899-542-01	TERMINAL (-), BATTERY		11	7-685-646-79	SCREW +BTP 3X8 TYPE2 N-S	
5	3-899-541-01	TERMINAL (+), BATTERY		12	A-3641-193-A	ANTENNA ASSY	
6	3-897-115-01	NUT, VOLUME		13	9-911-815-01	CUSHION	
7	3-318-201-31	SCREW (B) (1.4X5), TAPPING		14	*2-134-801-01	LABEL, MODEL NUMBER (W)	